



Mini Polarization Maintaining Tap Isolator

Features

- High Extinction Ratio
- Low Insertion Loss
- Low Cost
- Small Package

Applications

- Compact Fiber Amplifiers
- Compact Fiber Optic Systems
- Fiber Lasers
- Fiber Sensors

Specifications

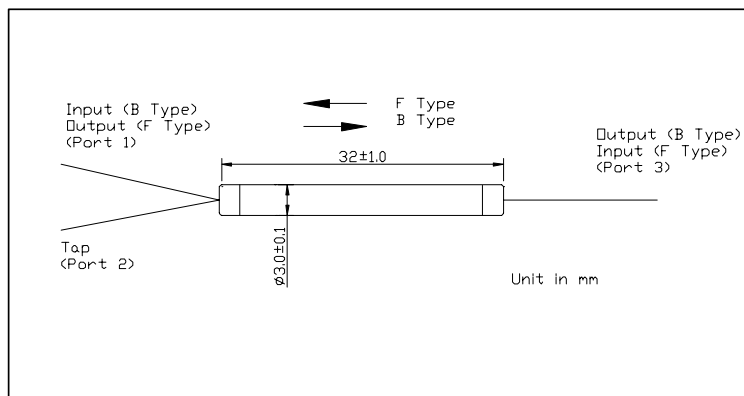
Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Signal Wavelength Range	nm	1530~1570	
Max. Signal Insertion Loss (Input to Output)	dB	0.8(for 1%),0.9(for 2%), 1.0(for 5%)	1.0(for 1%),1.1(for 2%), 1.2(for 5%)
Signal Tap Ratio (Input to Tap)	%	1+/-0.2,2±0.4, 5+/-1	1+/-0.2,2±0.4, 5+/-1
Typ. Signal Peak Isolation (Output to Input)	dB	40	52
Min. Signal Isolation at 23°C	dB	28	45
Min. Extinction Ratio (only for B Type)	dB	20	20
Min. Extinction Ratio (only for F Type)	dB	23	23
Min. Return Loss (for all ports)	dB	50	50
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Input and Output Ports, SMF-28e Fiber for Tap Port	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

Package Dimensions



Ordering Information

MPMTAPI-①①-②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①: Wavelength

55 - 1550nm

SS - Specify

④: Axis Alignment

F - Fast Axis Blocked

B - Both Slow and Fast Axis Working

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

②: Stage Type

1 - Single Stage

2 - Dual Stage

④④④: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑦: Fiber Length

0.8 - 0.8 m

S - Specify

③③: Tap Ratio

01 - 1%

02 - 2%

05 - 5%

SS - Specify